

ABSTRACT OF THE DISCLOSURE

5 Provided is a process for the preparation of polysulfides which comprises reaching sodium sulfide with oxygen in the presence of a transition metal oxide, preferably MnO_2 , and with the consumption rate of O_2 being at least 1.5×10^{-4} moles/l/sec. The process of the present invention is preferably conducted in a self-recirculated reactor, which has been found to allow easy control of the O_2 consumption rate.